

Todd Carney

Sr. Software Engineer

toddcarney44@gmail.com

(573) 489 - 6149

EXPERIENCE

BKS-CIS, Jet Propulsion Laboratory — Sr. Software Engineer

March 2021 - PRESENT

Implemented three applications with the serverless framework in an effort to reduce cloud computing costs by up to 90%. This approach allows the tools to be always available but only pay for the time they are run. Using this framework allows the dev team to spend less time, 5 hrs per week on average, on maintenance and more time delivering features.

AgJunction, Scottsdale, AZ — Embedded Software Engineer

SEPTEMBER 2019 - March 2021

Software lead for a next-generation auto-steering (like self-driving but only the steering for agriculture) product.

Implemented Docker on an embedded Linux device providing greater modularity which allowed my software team to use a microservices architecture on an embedded system.

General Dynamics, Scottsdale, AZ — Software Engineer

MAY 2015 - SEPTEMBER 2019

Responsible for the development and maintenance of the testing software (C#) and data analysis tools (Python) of a software-defined radio.

Maintained the embedded software (C++) of a software-defined radio used for production and engineering testing

EDUCATION

Arizona State University, Tempe, AZ

B.S. *Electrical Engineering*

AUGUST 2013 - MAY 2017

PROJECTS

Personal Site — Web Application

URL: <http://trcarney.com>

Source Code: <https://github.com/trcarney88/portfolio>

SKILLS

- AWS Cloud Computing
- Serverless Applications
- Data Analysis
- Basic Web Development
- Docker/Docker Compose
- Problem Solving
- Ability to quickly learn and apply new skills
- Presenting technical information to non-technical audiences

LANGUAGES

- Python - Proficient
- C++ - Proficient
- C# - Proficient
- Html - Intermediate
- CSS - Intermediate
- Javascript - Basic
- React - Basic

FRAMEWORKS

- Django
- Serverless Framework
- React
- Gatsby
- .NET